

User Manual

Thermal Monocular

FALCON SERIES

V5.5.86 202412



Contact Us

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1 Overview

The thermal monocular is equipped with high-sensitivity IR detector, and adopts advanced thermal imaging technology, to get clear view in poor visibility or dark environment.

It helps to view the target and measure the distance. It can view the moving target and meet the outdoor condition. The device can be widely used for hunting, outdoor searching and adventuring.

1.1 Main Function

- **Image Pro 2.0:** Featured with Image Pro 2.0 imaging algorithm, the device delivers minimal details of target's characteristics and layered backgrounds with less noise.
- **Brightness & Contrast Adjustment:** You can adjust the brightness and contrast as needed.
- **Tone Adjustment:** You can set the tone to Warm or Cold.
- **Auto Screen Off:** The function allows the device to enter standby mode/wake up through angle changes. The function darkens the screen to save energy and increase battery time.
- **App Connection:** The device can capture snapshots, record videos, and set parameters by HIKMICRO Sight app after being connected to your phone via hotspot.

1.2 Appearance



Note

- The appearance may vary according to different models. Please take the actual product for reference.
 - Pictures in this manual are for illustration purpose only. Please take the actual product for reference.
-

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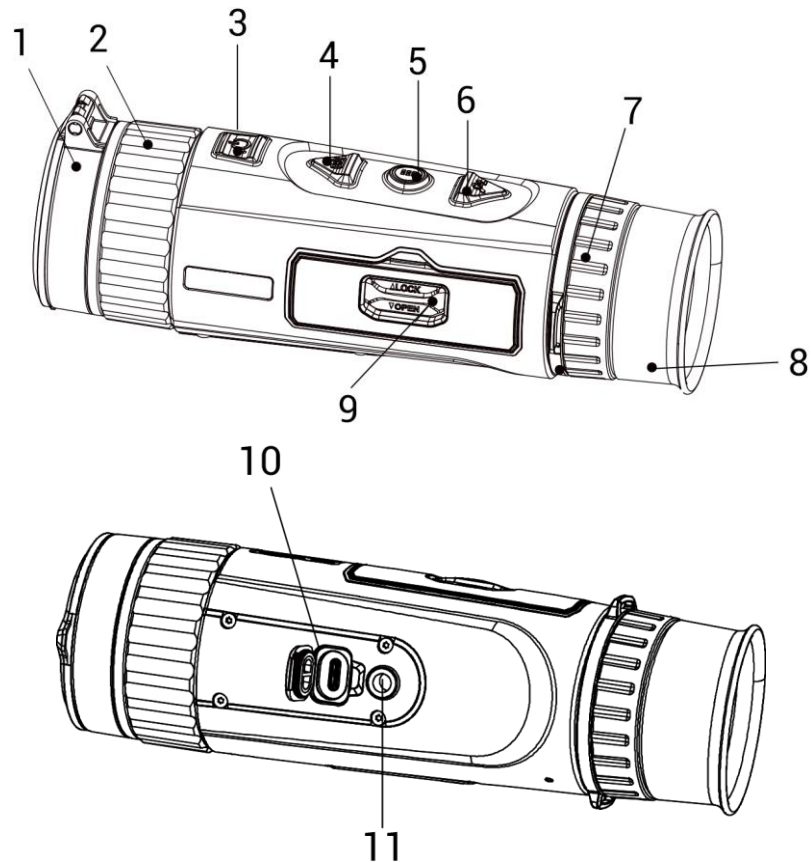


Figure 1-1 Appearance

Table 1-1 Description of Buttons and Components


No.	Component	Description
1	Lens Cover	Protects the lens.
2	Focus Ring	Adjusts focus to obtain clear targets.
3	Power Button	<ul style="list-style-type: none"> ● Press: Switches to standby mode/wakes up device. ● Hold: Powers on/off device.
4	Capture Button	<ul style="list-style-type: none"> ● Press: Captures snapshots. ● Hold: Starts/stops recording.
5	Menu Button	<ul style="list-style-type: none"> ● Press: Switches palettes. ● Hold: Enters/Exits menu.
6	Zoom Button	<ul style="list-style-type: none"> ● Press: Switches digital zoom. ● Hold: Corrects non-uniformity of display (FFC).
7	Diopter Adjustment Ring	Adjusts the dioptic.
8	Eyepiece	The piece placed closest to the eye to view the target.

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9	Battery Compartment	For holding the battery.
10	Type-C Interface	To connect the device to power supply or to transmit data with a type-C cable.
11	Tripod Mount	To mount the tripod.



Note

- The power indicator stays solid red when the device is on.
 - When the auto screen off function is enabled, if you press  to enter standby mode, you can also tilt or rotate the device to wake up the device. Refer to **Auto Screen Off** for detailed operation.
-

2 Preparation

2.1 Install Battery

2.1.1 Battery Instruction

- The battery type is 18650 with the protection board, and the battery size should be within 19 mm × 70 mm. The rated voltage is 3.6 VDC, and the battery capacity is 3350 mAh (12.06 Wh).
- Charge the batteries for more than 4 hours before first use.
- Remove the battery if the device is not used for a long time.
- Please purchase the batteries recommended by the manufacturer if necessary.

2.1.2 Battery Installation

Insert the batteries into the battery compartment.

Steps

1. Slide the battery compartment cover lock, as the arrow shows.

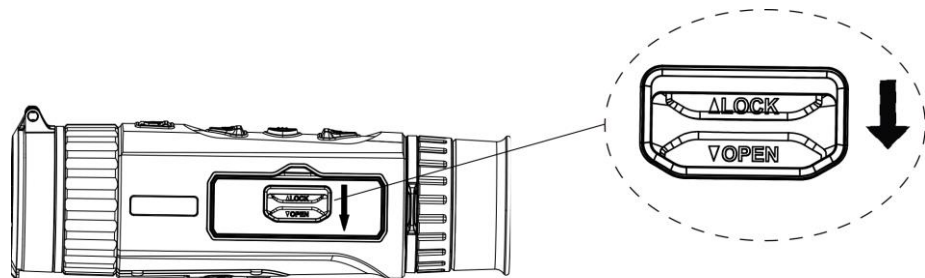


Figure 2-1 Unlock Battery Compartment Cover

2. Open the battery compartment cover.

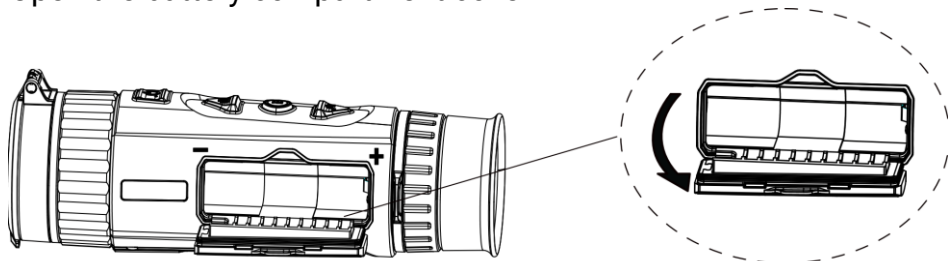


Figure 2-2 Open Battery Compartment Cover

3. Insert the battery into the battery compartment as the positive and negative marks indicate.

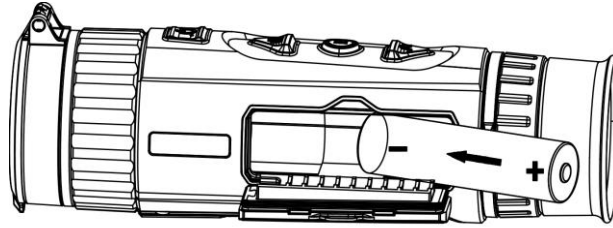


Figure 2-3 Install Battery

4. Close the battery compartment cover and lock it.

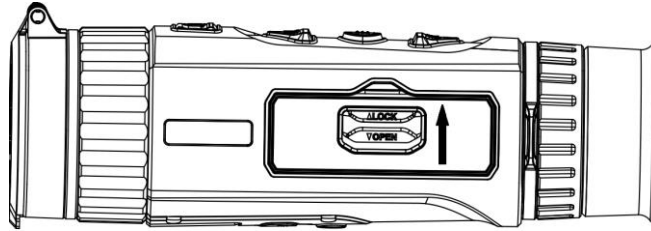


Figure 2-4 Complete Installation

2.2 Cable Connection

Connect the device and power adaptor with a type-C cable to power on the device. Alternatively, connect the device and PC to export files.

Steps

1. Lift the cable interface cover.
2. Connect the device and power adaptor with a Type-C cable to power on the device.

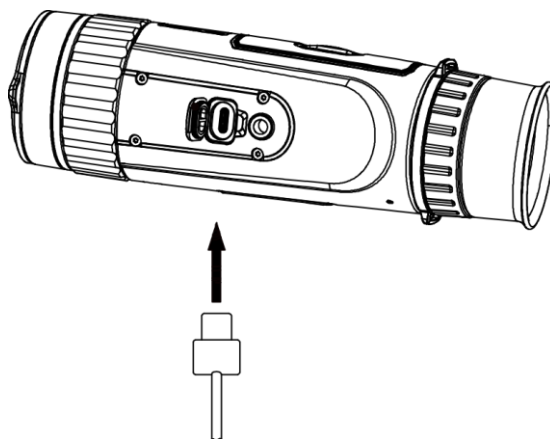




Figure 2-5 Cable Connection

2.3 Power On/Off

Power On

When the device is connected to cable or the battery is enough, hold  to power on the device.

Power Off

When the device is turned on, hold  to power off the device.













Note

- Power-off countdown will appear when you power off the device. You can press any key to interrupt the countdown and cancel the power-off.
 - Automatic low battery power-off cannot be canceled.
-

Auto Power Off



You can set the auto power off time for your device.

Steps

1. Hold  to show the menu.
 2. Go to  **Advanced Settings**, and select  **General Settings**.
 3. Press  or  to select , and press  to enter the configuration interface.
 4. Press  or  to select the auto power off time as required.
 5. Hold  to save and exit.
-











Note

- See the battery icon for the battery status.  means the battery is fully charged,  means that the battery is low.
 - When the low power note shows, charge the battery.
 - The auto power off takes effect only when the device enters the standby mode and the device isn't connected with HIKMICRO Sight app at the same time.
 - The auto power off countdown will start again when the device reenters standby mode, or the device is restarted.
-


2.4 Auto Screen Off





Auto screen off function darkens the screen to save energy and increase battery time.

Steps

1. Enable auto screen off.
 - 1) Hold  to show the menu.
 - 2) Go to  Advanced Settings, and press  or  to select .
 - 3) Press  to enable auto screen off.
 - 4) Hold  to save settings and exit.
2. You can do one of the following methods to enter the standby mode when the display is turned on:
 - Tilt the device downwards more than 70°.
 - Rotate the device horizontally more than 75°.
 - Keep the device still and do not move it for 5 minutes.
3. You can do one of the following methods to wake up the device when the display is turned off:
 - Tilt the device downwards from 0° to 60° or upwards from 0° to 90°.
 - Rotate the device horizontally from 0° to 75°.
 - Press  to wake up the device.

2.5 Menu Description

When the device is turned on, hold  to show the menu.

In the menu, you can press  or  to select functions, press  to configure the selected function, and hold  to exit the menu.

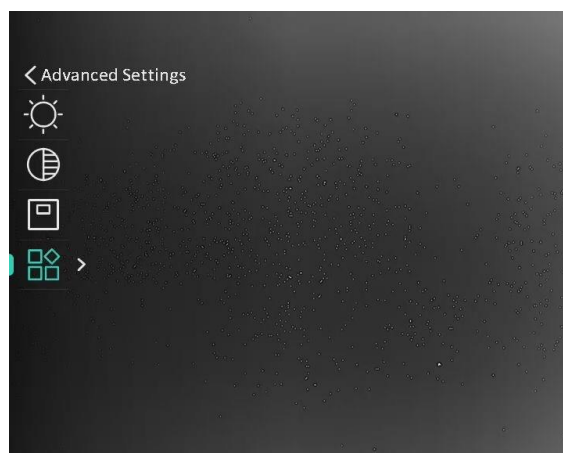


Figure 2-6 Menu Description

2.6 App Connection

Connect the device to the HIKMICRO Sight app via hotspot, then you can capture picture, record video, or configure parameters on your phone.

Steps









1. Search the HIKMICRO Sight on App Store (iOS System) or Google Play™ (Android System) to download it, or scan the QR code to download and install the app.



Android System



iOS System

2. Hold  to show the menu.
3. Go to  **Advanced Settings**, and Press  or  to select .
4. Press  to enter the setting interface.
5. Press  or  to select **Hotspot**. The hotspot function is enabled.
6. Turn on the WLAN of your phone and connect to the hotspot.
 - Hotspot Name: HIK-IPTS Serial No.
 - Hotspot Password: Go to **Hotspot** in the menu to check the password.



Note

If the password is not displayed, please upgrade the device to the latest version. Or enter the Serial No. as the password.

7. Open the app and connect your phone with the device. You can view the interface of device on your phone.



Note

- The device cannot connect to the app if you enter wrong password several times. Refer to **Restore Device** to reset the device, and connect the app again.
 - The device should be activated for the first use. The default password must be changed after the activation.
-

2.7 Firmware Status

2.7.1 Check Firmware Status

Steps

1. Open the HIKMICRO Sight and connect your device to the app.
2. Check if there is an upgrade prompt on the device management interface. If there is no upgrade prompt, the firmware is the latest version. Otherwise, the firmware is not the latest version.

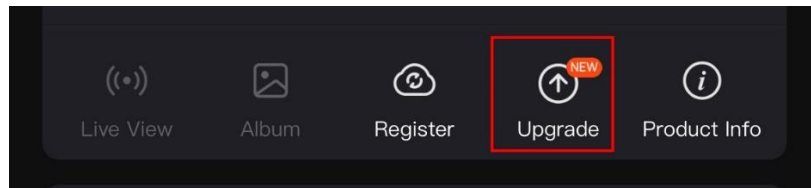


Figure 2-7 Check Firmware Status

3. (Optional) If the firmware is not the latest version, upgrade the device. See **Upgrade Device**.

2.7.2 Upgrade Device

Upgrade Device via HIKMICRO Sight

Steps

1. Open HIKMICRO Sight app and connect your device to the app.
2. Tap the upgrade prompt to enter the firmware upgrade interface.
3. Tap **Upgrade** to start upgrade.



Note


The upgrading operation may vary due to app updates. Please take the actual app version for reference.









Upgrade Device via PC

Before You Start

Please get the upgrade package first.

Steps

1. Hold  to show the menu.

2. Go to  **Advanced Settings**, and select  **Function Settings**.
 3. Press  or  to select  , and press  to enter the configuration interface.
 4. Press  or  to select **USB Flash Drive**.
 5. Connect the device to your PC with cable.
 6. Open the detected disk, copy the upgrade file and paste it to the root directory of the device.
 7. Disconnect the device from your PC.
 8. Reboot the device, and the device upgrades automatically. The upgrading process will be displayed in the main interface.
-



Caution

During the upgrade package transmission, make sure the device is connected to your PC. Otherwise, it may cause unnecessary upgrade failure, firmware damage, etc.

3 Image Settings

3.1 Adjust Diopter

Make sure the eyepiece covers your eye and aim at the target. Adjust the diopter adjustment knob until the OSD text or image is clear.

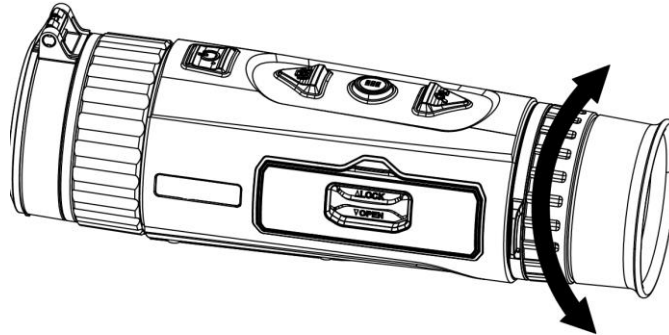


Figure 3-1 Adjust Diopter



Note

When adjusting diopter, DO NOT touch the surface of lens to avoid smearing the lens.

3.2 Adjust Focus

Slightly rotate the focus ring to adjust the focus of the objective lens.

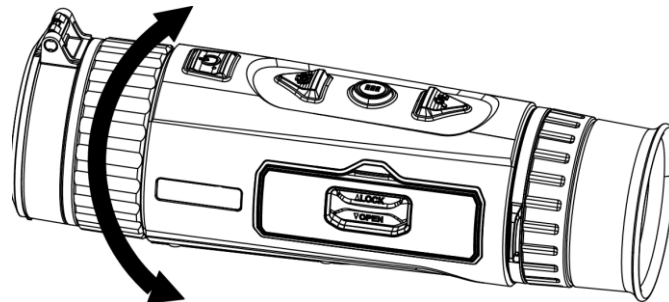


Figure 3-2 Adjust Focus











Note

- When focusing, do not touch the surface of lens to avoid smearing the lens.
 - This function varies according to different camera models.
-

3.3 Adjust Brightness









You can adjust the display brightness of the screen in the menu.

Steps

1. Hold  to show the menu.
2. Press  or  to select  and press  to confirm.
3. Press  or  to adjust display brightness.
4. Hold  to save settings and exit.










3.4 Adjust Contrast

Steps

1. Hold  to show the menu.
2. Press  or  to select  and press  to confirm.
3. Press  or  to adjust contrast.
4. Hold  to save settings and exit.

3.5 Adjust Tone

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and press  or  to select .
3. Press  to confirm, and press  or  to select a tone. **Warm** and **Cold** can be selected.
4. Hold  to save and exit.



Warm



Cold

Figure 3-3 Adjust Tone

3.6 Adjust Sharpness

Steps










1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and press  or  to select .
3. Press  to confirm, and press  or  to adjust sharpness.
4. Hold  to save and exit.












Figure 3-4 Sharpness Adjustment Comparison


3.7 Select Scene

You can select proper scene according to actual using scene to improve the display effect.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and press  or  to select .
3. Press  to enter the setting interface.
4. Press  or  to switch scene.
 - **Recognition:** Recognition refers to recognition mode and is recommended in normal scene.
 - **Jungle:** Jungle refers to jungle mode and is recommended in hunting environment.
5. Hold  to save settings and exit.

3.8 Set Palettes

You can select different palettes to display the same scene in different effects. Press  in the live view interface to switch palettes.

White Hot

The hot part is light-colored in view. The higher the temperature is, the lighter the color is.



Black Hot

The hot part is black-colored in view. The higher the temperature is, the darker the color is.



Red Hot

The hot part is red-colored in view. The higher the temperature is, the redder the color is.



Fusion

From high temperature to low temperature, the image is colored in from white, yellow, red, pink to purple.



3.9 Set Picture in Picture Mode

Steps







1. Hold  to show the menu.
2. Press  or  to select .
3. Press  to enable or disable PIP mode. The details show in the upper center of the view.
4. Hold  to save the settings and exit.




Figure 3-5 Set PIP Mode



Note

If the PIP function is enabled, only the PIP view zooms when adjusting the digital zoom ratio.

3.10 Adjust Digital Zoom

You can zoom in and out the image by using this function. Press  in the live view interface, the digital zoom ratio switches between 1×, 2×, 4× and 8×.












Note



When switching the digital zoom ratio, the left interface displays the actual magnification (Actual Magnification = Lens Optical Magnification × Digital Zoom Ratio). For example, the lens optical magnification is 1.8× and the digital zoom ratio is 2×, and the actual magnification is 3.6×.


3.11 Flat Field Correction

This function can correct non-uniformity of display.

Steps


1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select , and press  to enter the configuration interface.
4. Press  or  to switch FFC mode.

- **Manual FFC:** Hold  in the live view to correct the non-uniformity of display.
- **Auto FFC:** The device performs FFC automatically according to the set schedule when switching on the camera.
- **External:** Cover the lens cover, then hold  in the live view to correct the non-uniformity of display.

5. Hold  to save the settings and exit.



Note

- The countdown will start before the device performs FFC automatically.
 - You will hear a click and the image will freeze for a second when the device performs FFC.
 - You can also hold  to perform FFC in auto FFC mode.
-

3.12 Correct Defective Pixel

The device can correct the defective pixels on the screen which are not performed as expected.

Steps













1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select , and press  to enter DPC configuration interface.
4. Press  to select **X** or **Y Axis**. If you select **X** axis, the cursor moves left and right; if you select **Y** axis, the cursor moves up and down.
5. Press  or  to set the coordinates until the cursor reaches the defective pixel.
6. Press  twice to correct the dead pixel.
7. Hold  to save the settings and exit.



Figure 3-6 Correct Defective Pixel



Note

- The selected defective pixel can be magnified and displayed on the bottom right of the interface.
 - If the screen OSD blocks the defective pixel, move the cursor to reach the defective pixel, then the device performs mirror display automatically.
-













4 Measure Distance

The device can detect the distance between the target and the observation position.

Before You Start

When measuring the distance, keep the hand and the position steady. Otherwise, the accuracy may be affected.




Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and  or  to select . Press  to enter the setting interface.
3. Press  to show the setting interface and set a target.
 - 1) Press  or  to select the target from **Deer, Grey Wolf, Brown Bear, and Custom**, and press  to confirm.
 - 2) Press  or  to set target height.



Note

The available height ranges from 0.1 m to 9.0 m.

- 3) Hold  to save the settings and return to the distance measurement interface.
4. Align the center of top mark with the edge of target top, and press  to confirm.
5. Align the center of bottom mark with the edge of target bottom, and press  to confirm.

Result

The right top of the image displays the distance measurement result and the height of the target.













Figure 4-1 Measurement Result

5 General Settings

5.1 Set OSD

This function can display or hide the OSD information on the live view interface.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select **OSD**, and press  to enter OSD setting interface.
4. Press  or  to select the **Time, Date**, or **OSD**, and press  to turn on or turn off the selected OSD information.
5. Hold  to save and exit.











Note

If you turn off **OSD**, all OSD information on the live view will not be displayed.

5.2 Set Brand Logo

You can add brand logo to the live view interface, snapshots, and videos.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select .
4. Press  to enable **Brand Logo**.
5. Hold  to save the settings and exit.

Result

The brand logo is displayed at the bottom left of the image.

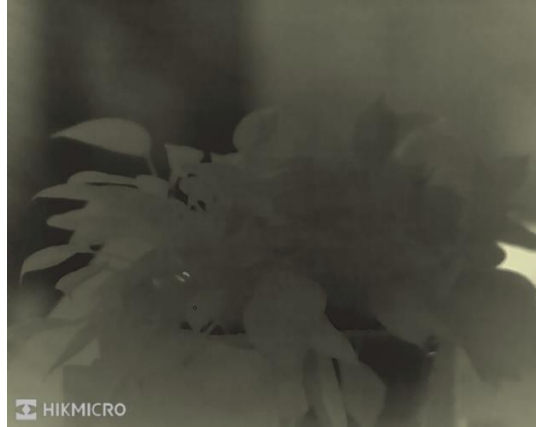










Figure 5-1 Brand Logo Display

5.3 Burning Prevention

Avoid direct sunlight and enable the burning prevention function to reduce the risk of sensor damage from the heat.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select .
4. Press  to enable or disable the function.
5. Hold  to save settings and exit.



Note

When the burn-prevention function is disabled, the shield should be opened if it closes.

5.4 Capture and Video

5.4.1 Capture Picture

In the live view interface, press  to capture picture.










Note

- When capturing succeeds, the image freezes for 1 second and a prompt shows on the display.
 - For exporting pictures, refer to **Export Files**.
-

5.4.2 Set Audio

If you turn on the audio function, the sound will be recorded with the video. When there is too loud noise in the video, you can turn off this function.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and press  or  to select .
3. Press  to enable or disable this function.
4. Hold  to save settings and exit.

5.4.3 Record Video

Steps



1. In the live view interface, hold  to start recording.



Figure 5-2 Start Recording






The left top image displays the information of recording time.

2. Hold  again to stop recording.

5.5 Hot Tracking

The device can detect the highest temperature spot in the scene and mark it on display.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and press  or  to select .

3. Press  to mark the spot of highest temperature.

Result



When the function is enabled,  displays in the spot of highest temperature. When the scene changes, the  moves.



Figure 5-3 Hot Tracking

5.6 Export Files

5.6.1 Export Files via HIKMICRO Sight

You can access device albums and export files to your phone via HIKMICRO Sight.

Before You Start

Install HIKMICRO Sight on your mobile phone.

Steps

1. Open HIKMICRO Sight and connect your device to the app. See **App Connection**.
2. Tap **Media** to access device albums.

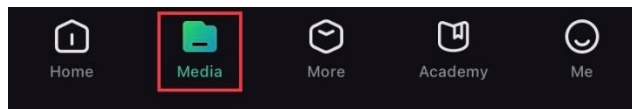


Figure 5-4 Access Device Albums

3. Tap **Local** or **Device** to view the photos and videos.
 - **Local**: You can view the files captured on app.
 - **Device**: You can view the files of the current device.



Note

The photos or videos may not show in **Device**. Please pull down to refresh the page.

4. Tap to select a file, and tap **Download** to export the file to your local phone albums.

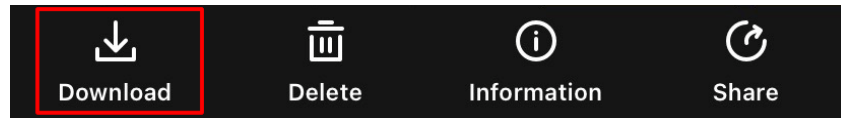


Figure 5-5 Export Files



Note

- Go to **Me** -> **About** -> **User Manual** on the app to see more detailed operations.
 - You can also access device albums by tapping bottom left icon in the live view interface.
 - The exporting operation may vary due to app updates. Please take the actual app version for reference.
-

5.6.2 Export Files via PC

This function is used to export recorded videos and captured pictures.

Before You Start

Make sure the device is turned on when connecting the cable.

Steps

1. Hold to show the menu.
2. Go to **Advanced Settings**, and select **Function Settings**.
3. Press or to select , and press to enter the configuration interface.
4. Press or select **USB Flash Drive**.
5. Connect the device and PC with cable.



Note

Make sure the device is turned on when connecting the cable.

6. Open computer disk and select the disk of device. Go to the DCIM folder and find the folder named after the capture year and month. For

example, if you capture a picture or record a video on November 2023, go to **DCIM** -> **202311** to find the picture or video.

7. Select and copy the files to PC.
8. Disconnect the device from your PC.














Note

- The device displays images when you connect it to PC. But functions such as recording, capturing and hotspot are disabled.
 - When you connect the device to PC for the first time, it installs the drive program automatically.
-

6 System Settings

















6.1 Adjust Date

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.
3. Press  or  to select , and press  to enter the configuration interface.
4. Press  to select the year, month, or day to be synchronized, and press  or  to change the number.
5. Hold  to save settings and exit.

6.2 Synchronize Time




Step









1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.
3. Press  or  to select , and press  to enter the configuration interface.
4. Press  or  to switch the clock system. 24-hour and 12-hour clock are selectable. If you select 12-hour clock, press , and then press  or  to select **AM** or **PM**.
5. Press  to select the hour or minute, and Press  or  to change the number.
6. Hold  to save settings and exit.

6.3 Set Language

You can select the device language in this function.

Steps











1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.

3. Press  or  to select , and press  to enter the configuration interface.
4. Press  or  to select the language as required, and press  to confirm.
5. Hold  to save settings and exit.

6.4 Set Unit

You can switch the unit for distance measurement.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.
3. Press  or  to select , and press  to enter the configuration interface.
4. Press  or  to select the unit as required.
5. Hold  to save settings and exit.











6.5 CVBS Output

The CVBS output is used to debug the device. You can also view the device image on the display or handheld screen for details.

Before You Start

Connect the device and the display unit via a Type-C to CVBS cable.

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **Function Settings**.
3. Press  or  to select .
4. Press  to enter the configuration interface.
5. Press  or  select **Analog** to turn on CVBS output.
6. Hold  to save settings and exit.











Note

The CVBS cable is not included in the package. Please purchase it by yourself.








6.6 View Device Information

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.
3. Press  or  to select , and press  to confirm. You can view the device information such as version and serial No.
4. Hold  to save settings and exit.

6.7 Restore Device

Steps

1. Hold  to show the menu.
2. Go to  **Advanced Settings**, and select  **General Settings**.
3. Press  or  to select . Press  to restore the device to defaults according to the prompt.

7 Frequently Asked Questions

7.1 Why is the monitor off?

Check whether the device is off-battery. Check the monitor after charging the device for 5 minutes.

7.2 The image is not clear, how to adjust it?

Adjust the diopter adjustment ring or focus ring until the image is clear. Refer to ***Adjust Diopter*** or ***Adjust Focus***.

7.3 Capturing or recording fails. What's the problem?

Check the following items.

- Whether the device is connected to your PC. Capturing or recording is disabled in this status.
- Whether the storage space is full.
- Whether the device is low-battery.

7.4 Why the PC cannot identify the device?

Check the following items.

- Whether the device is connected to your PC with supplied USB cable.
- If you use other USB cables, make sure the cable length is no longer than 1 m.
- Whether the USB connection mode of device is set to **USB Flash Drive**.

Legal Information


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About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKMICRO website (www.hikmicrotech.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Regulatory Information

These clauses apply only to the products bearing the corresponding mark or information.

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: Due to the device size limit, the above statement may not be disclaimed on the device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Directive 2014/30/EU (EMCD), Directive 2014/35/EU (LVD), Directive 2011/65/EU (RoHS), Directive 2014/53/EU.

Hereby, Hangzhou Microimage Software Co., Ltd. declares that this device (refer to the label) is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.hikmicrotech.com/en/support/download-center/declaration-of-conformity/>

Frequency Bands and Power (for CE)

The frequency bands and transmitting power (radiated and/or conducted) nominal limits applicable to the following radio equipment are as follows:

Wi-Fi 2.4 GHz (2.4 GHz to 2.4835 GHz), 20 dBm

For the device without a supplied power adapter, use the power adapter provided by a qualified manufacturer. Refer to the product specification for detailed power requirements.

For the device without a supplied battery, use the battery provided by a qualified manufacturer. Refer to the product specification for detailed battery requirements.



Directive 2012/19/EU (WEEE Directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



Regulation (EU) 2023/1542 (Battery Regulation): This product contains a battery and it is in conformity with the Regulation (EU) 2023/1542. The battery cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), or lead

(Pb). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info.

KC

B 급 기기: 이 기기는 가정용(B 급) 전자파적합기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

INFORMATIONEN FÜR PRIVATE HAUSHALTE

1. Getrennte Erfassung von Altgeräten:

Elektro- und Elektronikgeräte, die zu Abfall geworden sind, werden als Altgeräte bezeichnet. Besitzer von Altgeräten haben diese einer vom unsortierten Siedlungsabfall getrennten Erfassung zuzuführen. Altgeräte gehören insbesondere nicht in den Hausmüll, sondern in spezielle Sammel- und Rückgabesysteme.

2. Batterien und Akkus sowie Lampen:

Besitzer von Altgeräten haben Altbatterien und Altakkumulatoren, die nicht vom Altgerät umschlossen sind, die zerstörungsfrei aus dem Altgerät entnommen werden können, im Regelfall vor der Abgabe an einer Erfassungsstelle vom Altgerät zu trennen. Dies gilt nicht, soweit Altgeräte einer Vorbereitung zur Wiederverwendung unter Beteiligung eines öffentlich-rechtlichen Entsorgungsträgers zugeführt werden.

3. Möglichkeiten der Rückgabe von Altgeräten:

Besitzer von Altgeräten aus privaten Haushalten können diese bei den Sammelstellen der öffentlich-rechtlichen Entsorgungsträger oder bei den von Herstellern oder Vertreibern im Sinne des ElektroG eingerichteten Rücknahmestellen unentgeltlich abgeben. Rücknahmepflichtig sind Geschäfte mit einer Verkaufsfläche von mindestens 400 m² für Elektro- und Elektronikgeräte sowie diejenigen Lebensmittelgeschäfte mit einer Gesamtverkaufsfläche von mindestens 800 m², die mehrmals pro Jahr oder dauerhaft Elektro- und Elektronikgeräte anbieten und auf dem Markt bereitstellen. Dies gilt auch bei Vertrieb unter Verwendung von Fernkommunikationsmitteln, wenn die Lager- und Versandflächen für Elektro- und Elektronikgeräte mindestens 400 m² betragen oder die gesamten Lager- und Versandflächen mindestens 800 m² betragen. Vertreter haben die Rücknahme grundsätzlich durch geeignete Rückgabemöglichkeiten in zumutbarer Entfernung zum jeweiligen Endnutzer zu gewährleisten. Die Möglichkeit der unentgeltlichen Rückgabe eines Altgerätes besteht bei rücknahmepflichtigen Vertreibern unter anderem dann, wenn ein neues gleichartiges Gerät, das im Wesentlichen

die gleichen Funktionen erfüllt, an einen Endnutzer abgegeben wird.

4. Datenschutz-Hinweis:

Altgeräte enthalten häufig sensible personenbezogene Daten. Dies gilt insbesondere für Geräte der Informations- und Telekommunikationstechnik wie Computer und Smartphones. Bitte beachten Sie in Ihrem eigenen Interesse, dass für die Löschung der Daten auf den zu entsorgenden Altgeräten jeder Endnutzer selbst verantwortlich ist.

5. Bedeutung des Symbols „durchgestrichene Mülltonne“:



Das auf Elektro- und Elektronikgeräten regelmäßig abgebildete Symbol einer durchgestrichenen Mülltonne weist darauf hin, dass das jeweilige Gerät am Ende seiner Lebensdauer getrennt vom unsortierten Siedlungsabfall zu erfassen ist.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-003 (B)/NMB-003(B) standards requirements.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

Conformité Industrie Canada ICES-003

Cet appareil répond aux exigences des normes CAN ICES-003 (B)/NMB-003 (B).




Cet appareil est conforme aux normes RSS exemptes de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes :

- (1) cet appareil ne doit pas causer d'interférences, et
- (2) cet appareil doit accepter toute interférence reçue, notamment les interférences susceptibles d'occasionner un fonctionnement indésirable de l'appareil.

Cet appareil est conforme aux limites d'exposition au rayonnement IC RSS-102 établies pour un environnement non contrôlé.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss. Please read all the safety information carefully before using.

Transportation

- Keep the device in original or similar packaging while transporting it.
- Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and the company shall not take any responsibilities.
- Do not drop the product or subject it to physical shock. Keep the device away from magnetic interference.

Power Supply

- If a power adapter is provided in the device package, use the provided adapter only. If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.
- Make sure the plug is properly connected to the power socket.
- DO NOT connect multiple devices to one power adapter, to avoid overheating or fire hazards caused by overload.

Battery

- The external rechargeable battery type is 18650, and the battery size should be 19 mm × 70 mm. The rated voltage is 3.6 VDC, and the battery capacity is 3350 mAh.
- CAUTION: Risk of explosion if the battery is replaced by an incorrect type. Replace with the same or equivalent type only.
- Batteries of improper size cannot be installed, and may cause abnormal shutdown.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Please purchase the batteries recommended by the manufacturer if necessary.
- The purchased batteries by users need to comply with the relevant international standards about battery safety (e.g. EN/IEC standards).
- Use the battery provided by qualified manufacturer. Refer to the product specification for detailed battery requirements.
- Dispose of used batteries according to the instructions.

- Remove the battery if you do not use the device for a long time.
- For long-term storage of the battery, make sure it is fully charged every half year to ensure the battery quality. Otherwise, damage may occur.
- The battery cannot be charged with external power source directly.
- Make sure the battery temperature is between 0°C to 45°C (32°F to 113°F) when charging.
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature or low air pressure environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Confirm there is no flammable material within 2 m of the charger during charging.
- DO NOT place the device with battery or the battery alone near heating or fire source. Avoid direct sunlight.
- DO NOT place the battery in the reach of children.
- DO NOT swallow the battery to avoid chemical burns.

Maintenance

- If the product does not work properly, please contact your dealer or the nearest service center. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.
- Make sure that the power has been disconnected before device teardown and repair by professionals.
- Check the optical surfaces of objective lens, eyepiece, rangefinder, etc. If necessary, remove dust and sand from the optics using tools and solvent designed especially for this purpose (it is preferable to use a non-contact method).
- Wipe the exterior surfaces of metal, plastic and silicone parts with a clean and soft cloth. Do not use chemically active substances, solvents, etc. as these may damage the paint.
- Clean the electrical contacts of the battery on the device using a non-greasy organic solvent.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the device may be impaired.

Using Environment

- Make sure the running environment meets the requirement of the device. The operating temperature shall be -30 °C to 55 °C (-22 °F to 131 °F), and the operating humidity shall be 95% or less, no condensing.
- DO NOT expose the device to high electromagnetic radiation or dusty environments.

- DO NOT aim the lens at the sun or any other bright light.
- Place the device in a dry and well-ventilated environment.
- Avoid equipment installation on vibratory surface or places subject to shock (neglect may cause equipment damage).
- This device is not suitable for use in locations where children are likely to be present.

Emergency

If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.


Manufacture Address


Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict, Binjiang District, Hangzhou, Zhejiang 310052, China

Hangzhou Microimage Software Co., Ltd.

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